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# Highlighting the achievements of the fourth International Congress on Health Sciences and Medical Technologies

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**Abstract:** This is an editorial reporting the fourth International Congress on Health Sciences and Medical Technologies ICHSMT. After the success of three versions of the international congress ICHSMT, The fourth congress was established from 5 to 7 December 2019 at Tlemcen, Algeria. With the cooperation of University of Tlemcen, Knowledge Kingdom Publishing and other partners, the congress attracted an important number of researchers from several domains and affiliations. Aiming to contributing the scientific progress and the promotion of the community of health sciences and medical technologies. The congress was established virtually and in-person which challenged the political and technical problems.

**Keywords:** Conference report, Health sciences, Medical technology, Algeria, Tlemcen

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## 1. Introduction

The International Congress on Health Sciences and Medical Technologies is a multidisciplinary initiative for promoting the scientific progress, finding and innovation. Covering all topics of medicine including applied basic sciences and technology in medicine: Surgery, Internal Medicine, Midwifery, Nursing, Biomedical Science, Microbiology and Infectious Diseases, Psychiatry, Pediatrics, Cardiology, Neurology, Nephrology and Urology, Orthopedics, Neurosurgery, Dermatology, Rheumatology, Hematology and Transfusion Science, Anatomy, Histopathology, Laboratory, Imaging Science, Oncology, Community Health, Occupational Health, Environmental Health, Social Health, Epidemiology, Health Informatics, e-Health, Bio-Medical Engineering, Medical Information Systems, Assistive Technologies in Medicine, Social insurance medicine, Public health, Patient Security, Image and signal processing for medicine, Medical Computer-Aided Diagnosis, Bioinformatics, Drug design, Data mining and knowledge discovery for health sciences, Mobile health, Telemedicine, Health 2.0, Medical education, E-learning for medicine.

The first version was established at University of Tlemcen, Algeria (2016) [1], the second was established by Knowledge Kingdom Publishing at Tlemcen, Algeria (2017) [2], and the Third one was organized by CERIST and Knowledge Kingdom Publishing at Algiers, Algeria (2018) [3]. This report will explore the fourth version of ICHSMT which was organized by Knowledge Kingdom Publishing at Tlemcen, Algeria between 5<sup>th</sup> and 7<sup>th</sup> December 2019.

## 2. Participants

This multi-disciplinary project is aiming to establish a template for promotion and development of the actual medical and technological problems and trends. The congress author's affiliations were from several departments such as medicine, biology, physics, chemical sciences, computer science, environment, pharmacy, electrical and electronic engineering, and mechanical engineering.

ICHSMT'19 contributors are from 18 nations: Algeria, Germany, Iran, Switzerland, Netherland, Denmark, Malaysia, China, Portugal, Bulgaria, Pakistan, France, Morocco, Brazil, United Kingdom, Egypt, India, and Poland.

The program committee had selected the following keynotes:

- Title: “Data-based risk assessment of cancer diseases for life insurance” By Dr. Ralf Lohse, Underwriter at Hannover Reinsurance SE Germany[9].
- Title: “The Assessment of Long-Term-Care, its Quality Assurance and Results –The German Perspective–” By Prof. Dr. Med. Wolfgang Seger, Germany[10].
- Title: “Access to Opioids in Palliative Care in Low-and Middle-Income Countries ” By Dr. Thierry Edoh, Department of Pharmacy, University of Bonn, Germany [11].
- Title: “Artificial Intelligence-Based Diagnostic Tools for Screening of Retinal Abnormalities in Human Eye” By Assoc. Pr. Dr Jude Hemanth, Department of ECE, Karunya University, Coimbatore, India [5].

The participants' contributions were selected and categorized in five sections: three international conferences, one workshop and one session. In the Table 1, we present the number of contributions in each section.

Table 1: ICHSMT'19 Participants contributions

Section	Contributions
ICMT'19: International Conference on Medical Technologies	17
ICCPH'19: International Conference on Cancer and Public Health	19
ICPCBS'19: International Conference on Preclinical and Basic Sciences	17
International workshop Genetic items	7
Session on Education publication and ethics	2

### 3. Contents

The contents of the congress was divided in two working days see figure 1. It was categorized as: keynotes, posters, online or virtual, and in-person (oral).

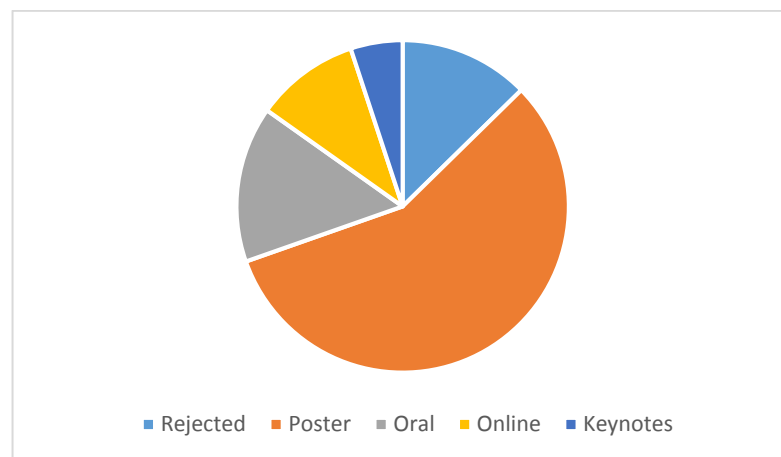


Figure 1. Contents categorization of ICHSMT'19.

The program committee has received 73 submissions, which were reviewed by multidisciplinary researchers. The PC accepted 63 presentations and rejected 10 due to several reasons. The rate of acceptance was 86.3%.

Table2: Participation history.

	<b>Accepted Contributions</b>	<b>Rate of acceptance</b>	<b>Authors number</b>	<b>Nation of contributors</b>
<b>ICHSMT'16</b>	89	80.8%	381	14
<b>ICHSMT'17</b>	60	66.66%	270	15
<b>ICHSMT'18</b>	47	91.48%	108	13
<b>ICHSMT'19</b>	73	86.3%	245	18

## 4. Publication

Like the previews versions [6-8], the first publication was the abstract book [5] which was divided into five sections representing the co-located five international conferences and workshops (see Table 1).

The first form of publication provided some full text articles suggested for publication in journals, these articles are still in the reviewing stage. We hope the success for all these contributions.

The second publication included some selected abstracts suggested for journals. Medical Technologies Journal MTJ published three keynotes [9-11] and six conference abstracts [12-17].

The third publication was a book [9] entitled “Advances in Multidisciplinary Medical Technologies — Engineering, Modeling and Findings Proceedings of the ICHSMT 2019”.

## 5. Conclusion

The congress is promoting the scientific progress by ensuring the attraction of multidisciplinary researchers. It obtains a successful realization due to several help and guides from several sides. The virtual option resolved partially the political crises in France and the schedule overlap for researchers.

## 6. Conflict of interest statement

We certify that there is no conflict of interest with any financial organization concerning the subject matter or materials discussed in this manuscript.

## 7. Acknowledgments

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## 8. Authors' biography

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